rality of symbol streams with two or more sequences with pattern repetition, each sequence for covering during the two or more segments, respectively, and the sequence covering each symbol stream during a segment being unique to the respective symbol stream, and wherein a first Hadamard sequence is selected corresponding to a first remote station identifier and a second Hadamard sequence is selected based on a second remote station identifier;

summing the plurality of covered streams to form a first Code Division Multiplexed (CDM) signal; and

covering the first CDM signal with a Walsh covering sequence to form a first covered CDM signal.

20. The method of claim **19**, further comprising multiplying the plurality of covered streams by the plurality of gain values, respectively, prior to summing.

21. The method of claim **19**, further comprising:

combining the first covered CDM signal and the one or more additional covered signals; and

transmitting the combined CDM signal to one or more remote stations.

22. The method of claim **19**, further comprising:

Hadamard covering each of a second plurality of symbol streams with one of the plurality of covering sequences with pattern repetition to form a second plurality of covered streams;

summing the second plurality of covered streams to form a second CDM signal;

covering the second CDM signal with a second I and Q Walsh covering sequence to form a second covered CDM signal;

transmitting the first covered CDM signal on an in-phase channel; and

transmitting the second covered CDM signal on a quadrature channel.

23. The method of claim **19**, wherein one or more of the plurality of symbol streams comprises command values, the command values indicating acknowledgement, negative acknowledgement, or acknowledge and continue.

24. The method of claim **19**, wherein the covering each of the plurality of symbol streams comprises:

segmenting the encoding time into two or more segments;

Hadamard covering each of the plurality of symbol streams with two or more sequences with pattern repetition, each sequence for covering during the two or more segments, respectively, and the sequence covering each symbol stream during a segment being unique to the respective symbol stream.

25. The method of claim **24**, wherein the two or more sequences are assigned in a time varying manner.

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